



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: J. Bednorz et al.

Date: November 28, 1997

Serial No.: 08/479,810

Group Art Unit: 1105

Filed: June 7, 1995

Examiner: D. McGinty

For: NEW SUPERCONDUCTIVE COMPOUNDS HAVING HIGH
TRANSITION TEMPERATURE, AND METHODS FOR THEIR
USE AND PREPARATION

The Commissioner of Patents and Trademarks
Washington, D.C. 20231

AMENDMENT

Sir:

In response to the Office Action dated May 27, 1997 please consider the following:

IN THE CLAIMS

1. (Twice Amended) A superconductive apparatus comprising a composition having a transition temperature greater than ^{26°K} 26°K, the composition including a rare earth or rare earth-like element, a transition metal element capable of exhibiting multivalent states and oxygen, including at least one phase that exhibits superconductivity at temperature in excess of ^{26°K} 26°K [; us on;] means for maintaining said composition at said temperature to exhibit said superconductivity and means for passing an electrical [supercurrent] superconducting current through said composition while exhibiting said superconductivity.